78# 431 Let 6651

For: Bob Garrett

#### DECOMMISSIONING, SITE ASSESSMENT and SITE CHARACTERIZATION REPORT

#### LOOMIS CHEVRON SITE

By: Iain A. Olness, Hydrogeologist

Reviewed by:

Jackie F. Stephens President/Geologist

30 April, 1993

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#### TABLE OF CONTENTS

1.0	INT	1	
2.0	sco	PE OF WORK	4
	2.1 2.2 2.3	Site Inspection information Site History Review or Area and Location 2.3.1 Surrounding Properties 2.3.2 Geology and Hydrology 2.3.3 Land Use Data	6 6 6 7 7 7
3.0	SITE	ASSESSMENT FINDINGS	9
	3.1 3.2	Site Description Sampling Program 3.2.1 Description and Procedures 3.2.2 Results 3.2.3 Discussion	9 9 9 11 11
	3.3	Site Characterization 3.3.1 Site Characterization Findings	13 15
4.0	CON	CLUSIONS AND RECOMMENDATIONS	17
5.0		ITATIONS ENDICES	18
	I II III IV V	Work Proposal UST and LUST Lists Clean Sheet and Bill of Sale Laboratory Report DOE Permanent Closure and Site Checklist/Site Assessment	nt Forms
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#### LOOMIS CHEVRON

## UNDERGROUND STORAGE TANK SITE ASSESSMENT/SITE CHARACTERIZATION

#### 1.0 INTRODUCTION

Blue Ridge Associates, Inc. (Blue Ridge), was retained by Pete Buster of Hydrocarbon Specialties Contractors, Inc. (HSCI) to perform an Underground Storage Tank (UST) SITE ASSESSMENT/SITE CHARACTERIZATION at the Loomis Chevron, located in Loomis, Washington (see Figure 1, Area Location and Figure 2, Site Location). This report is submitted to satisfy the scope of work of the consultant/client contract for an UST SITE ASSESSMENT/SITE CHARACTERIZATION REPORT and to meet the requirements of the Washington Department of Ecology (DOE).

Chapter 173-360 WAC states that the purpose of a SITE ASSESSMENT/SITE CHARACTERIZATION REPORT is "to investigate an UST site at the time of closure or change-in-service to determine if a release has occurred". Three (3) Underground Storage Tanks (UST's) were permanently removed from the subject site. Two (2) new double-walled fiberglass tanks are to be installed in the near future to replace the three (3) decommissioned UST's. An UST SITE ASSESSMENT is required in this situation.

The SITE ASSESSMENT consists of a site inspection, site sampling upon tank removal, submitting of the samples for analysis, review and interpretation of the analytical results, review of past activities on the site and its environs, and communication with appropriate governmental agencies. Based on the information obtained, the UST site is either determined to be free of contamination, or it is reported as a leaking UST (LUST) site. If petroleum based contamination is found at the site a SITE CHARACTERIZATION report is required. A SITE CHARACTERIZATION consists of the information required for a STATUS REPORT plus the following:

- A site conditions map indicating approximate boundaries of the property, all areas where hazardous substances are known or suspected to be located, and sampling locations. This map may consist of a sketch of the site at a scale sufficient to illustrate this information;
- Available data regarding surrounding populations, surface and ground water quality, use and approximate location of wells potentially affected by the release, subsurface soil conditions, depth to groundwater, direction of groundwater flow, proximity to and potential for affecting surface water, locations of sewers and other potential conduits for vapor or free product migration, surrounding land use, and proximity to sensitive environments;

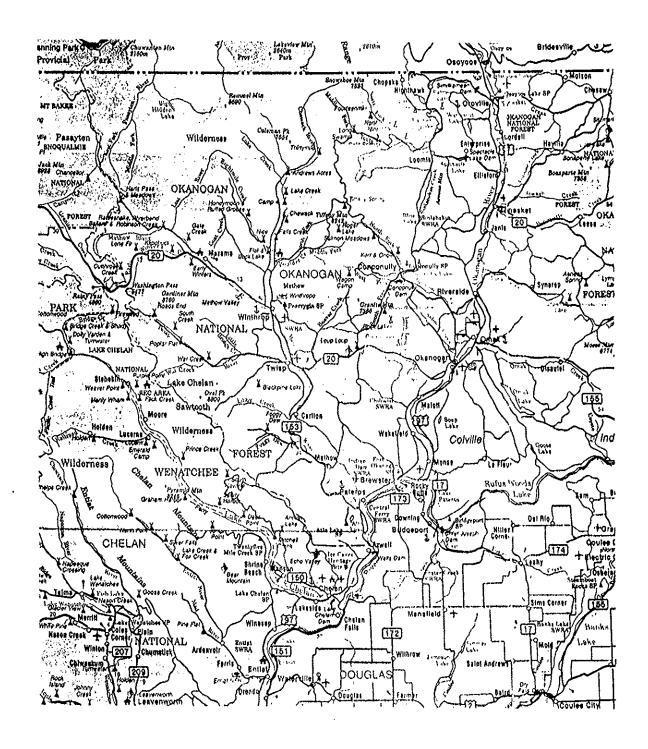


Figure 1: Area Location of Loomis, Washington.

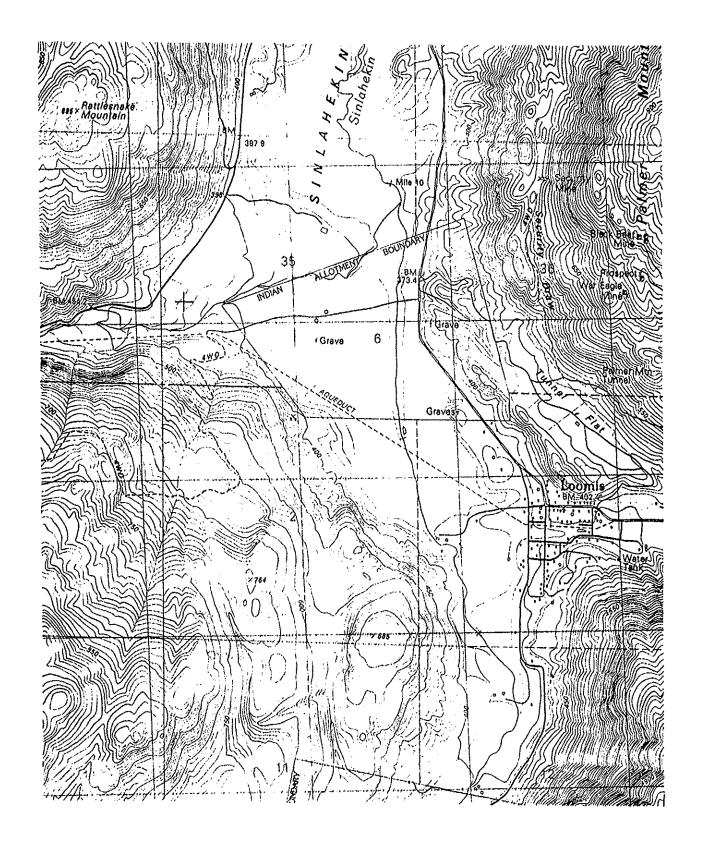
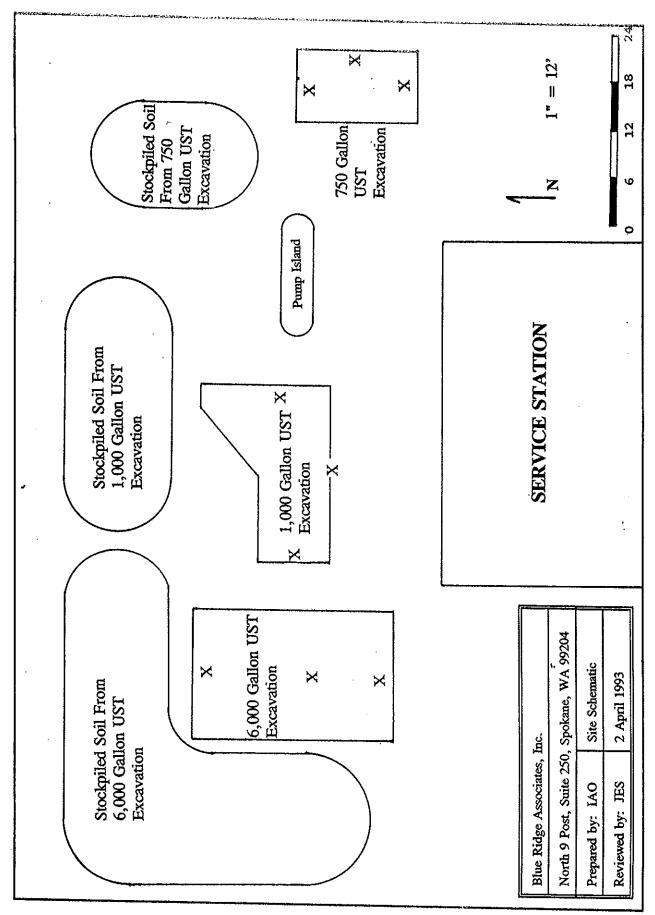


Figure 2: Location of Loomis Chevron Station, Loomis, Washington

- 3) Results of tests of the free product investigation required under subsection (3)(a)(iii) and (iv) of WAC 173-340-450 of the Model Toxics Control Act.
- 4) Results of the free product investigation required under subsection (3)(a)(v) of WAC 173-340-450 of the Model Toxics Control Act.
- 5) Results of all completed site investigations, interim actions and cleanup actions and a description of any remaining investigations, cleanup actions and compliance monitoring which are planned or underway; and
- Information on the free product removal efforts at sites where investigations indicate free product is present. This shall include, at a minimum, the following information:
  - a) Name of person responsible for implementing the free product removal measures;
  - b) The estimated quantity, type, and thickness of free product observed or measured in wells, boreholes and excavations;
  - c) The type of free product recovery system used;
  - d) The location of any on-site or off-site discharge during the recovery operation;
  - e) The type of treatment applied to, and the effluent quality expected from, any discharge;
  - f) The steps taken and planned to obtain necessary permits for any discharge;
  - g) Disposition of recovered free product; and
- 7) Any other information required by the department.

#### 2.0 SCOPE OF WORK

The scope of work performed for this assessment is intended to meet the requirements for an UST SITE ASSESSMENT/SITE CHARACTERIZATION REPORT. The following discussion details the work performed during the course of this site assessment. Blue Ridge Associates, Inc., was retained to supervise the UST DECOMMISSIONING. The decommissioning was performed by Pete Buster of Hydrocarbon Specialties Contractors, Inc. The subject tanks were excavated and removed from the site under the supervision of Iain Olness of Blue Ridge Associates, Inc.



Site plan showing locations of excavation pits in relation to the building. Figure 3:

Blue Ridge Associates, Indlue Ridge Associates, Inc.

Page 5 of 18

(509)-838-8120

#### 2.1 Site Inspection Information

The on-site site assessment at the Loomis Chevron was conducted on 23 March 1993, by Mr. Iain A. Olness, hydrogeologist for Blue Ridge Associates, Inc. Blue Ridge has a DOE Provider's License number 001535, while Mr. Olness is a Registered Site Assessor and has a Washington State Underground Storage Tank Supervisor License (#W002062). Three (3) UST's were removed from the subject site. The DOE site number for the Loomis Chevron site is 006651 (Appendix II).

The tank decommissioning was performed by Pete Buster of Hydrocarbon Specialties Company, Inc. (HSCI) of Spokane, Washington, under the supervision of Iain Olness, hydrogeologist, of Blue Ridge Associates, Inc. The excavation was conducted by Don Beanblossom from Oroville, Washington. The UST's were removed on 23 March 1993, with the UST data shown in the following table:

Tank Number	Age (years)	Capacity	Substance
#1	47	750	Diesel
#2	47	1,000	Leaded gasoline
#3	29	6,000	Unleaded gasoline

Table 1: Underground Storage Tank Data

The UST's were located along the northern end of the subject-property next to Palmer Avenue in Loomis, Washington. The long axis of the 750 gallon and the 6,000 gallon UST's was north/south, and the long axis of the 1,000 gallon UST was east/west (Figure 3).

#### 2.2 Site History

The site where the UST's were located is the current location of the Loomis Chevron. Mr. Bob Garrett purchased the station in 1946 and built the present building in 1964. Mr. Garrett stated that the 750 and the 1,000 gallon UST's were located on the subject-property when he purchased it and the 6,000 gallon UST was installed in 1964.

#### 2.3 Review of Area and Location

The site is located within Okanogan County, in the city of Loomis, Washington at an elevation of 1,280 feet above mean sea level.

#### 2.3.1 Surrounding Properties

The Loomis Chevron Station is located at the southwest corner of the intersection of Palmer Avenue and Second Street. The Stagestop Store-Tavern-Cafe is located east of and across Second Street from the excavation site. A storage garage and vacant lot is located south of the Loomis Chevron station, which is south of the excavation. Garrett's Quality Used Cars, a used car dealership is located west of the excavation site. Residential houses and a car lot used by Garrets Quality Used Cars lie to the north of the excavation across Palmer Avenue (see Figure 4, Land Ownership around Loomis Chevron Station).

#### 2.3.2 Geology and Hydrology

Loomis is located on glacial outwash, of Pliestocene age, consisting of stratified silt, sand, and gravel in outwash plains, kame terraces, kames, and eskers. The outwash deposits consist of massive to crudely bedded, pebbly gravel with thin interbeds of cross-stratified sand. The kame terraces, kames, and eskers are heterogeneous deposits of silt and fine sand, pebbly gravel, and minor till (Stoffel, 1990). North of Loomis, approximately one-tenth (1/10) of a mile is a small outcropping of Palmer Mountain Greenstone. Palmer Mountain to the north-northeast of Loomis is primarily composed of Palmer Mountain Greenstone. The Palmer Mountain Greenstone is Triassic or Permian in age and consists of Greenstone and minor metadiabase rocks with massive sulfides forming stratiform layers in places (Stoffel, 1990). Alluvium of Quaternary age is located west of Loomis in the Sinlahekin Valley (trending north/south) and east of Loomis in the Spectacle Lake drainage (trending east/west). This alluvium is composed of silt, sand, and gravel and is located on modern floodplains and alluvial fans (Stoffel, 1990). The Loomis Pluton, a 69.5-square mile, north-northwest trending, elongate intrusion, is located southsoutheast of Loomis and is Jurassic or Triassic in age. The Loomis Pluton is composed of massive to weakly foliated, medium-grained, equigranular granodiorite and tonalite (Stoffel, 1990).

The city of Loomis gets its water supply from a single well located in the northwestern end of the city. Mr. Bob Garrett was informed by J. Hill per Sonny Didra (City Water Works) that the well is approximately eighty (80) feet deep.

#### 2.3.3 Land Use Data

The site from where the tanks were removed is the location of the Loomis Chevron Station. This service station has been in operation for at least forty-seven (47) years.

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			Palmer Avenue	>			
Restnarant		Garrett's Quality Used Cars		Loomis Chevron Station	Second Street	Stagestop Store-Tavern-C	afe
		Vacant Lot		Vacant Lot		Residential Property	
		NO SCA	T TO		N .	· ·	

Figure 4: Land ownership around Loomis Chevron Station

#### 3.0 SITE ASSESSMENT FINDINGS

The following narrative discusses the findings of the SITE ASSESSMENT/SITE CHARACTERIZATION REPORT. Photographs of the subject site are included in the Appendices of this report.

#### 3.1 Site Description

The UST's were located north of the service station. The total disturbed area for the 750 gallon UST was approximately 15 feet x 9 feet x 6 feet deep. The total disturbed area for the 1,000 gallon UST was approximately 22 feet x 12 feet x 8 feet deep. The total disturbed area for the 6,000 gallon UST was approximately 25 feet x 16 feet x 14 feet deep. No surface contamination was evident above the tanks due to the asphalt covering.

"A" horizon soil development was minimal, as most of the excavated area was beneath the asphalt. No roots, root material or other organic material was found during the excavation. The material encountered in the excavations was principally fine sand with some weathered metamorphic cobbles. There was also some old cans, metal pails, wood, and other debris found in the bottom of the 750 gallon diesel UST excavation. The depth to water in this area is approximately eighty (80) feet.

#### 3.2 Sampling Program

A total of twelve (12) soil samples were collected (see Figure 5, location of samples for 750 gallon diesel UST (a), 1,000 gallon leaded UST (b), and 6,000 gallon unleaded UST (c)) at the site according to Washington Department of Ecology (WDOE) regulations in <u>Guidance for Site Checks and Site Assessments for Underground Storage Tanks: Department of Ecology Underground Storage Tank Program</u> (February 1991 90-52, revised October 1992)

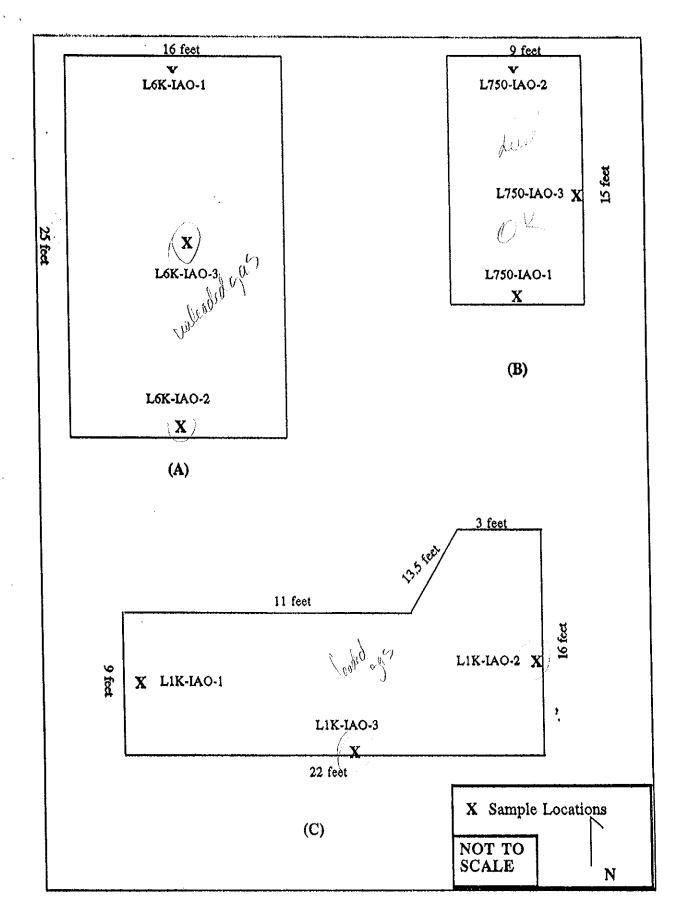
#### 3.2.1 Description and Procedures

The following applies to each tank that was removed from the site:

<u>Number of Samples</u>. Three. One sample was collected from each endwall, and one was collected from one of the sidewalls (Figure 5).

Type of Samples. Soil. The samples consisted of fine sands.

<u>Method of Collection</u>. Hand tools. Gloves were worn to avoid contamination of the samples, and the sampling trowel was cleaned between samples.



• Figure 5: Location of samples for 6,000 gallon unleaded gasoline UST (a), 750 gallon diesel UST (b), and 1,000 gallon leaded gasoline UST (c).

Method of Preservation. The samples were immediately placed in 300 ml borosilicate jars and sealed with teflon-lined lids. They were placed in a cooler and ice was added to lower temperature to approximately 4° Centigrade and shipped via Greyhound Bus and with a "Chain of Custody" form in accordance with EPA guidelines to:

Analytical Laboratory.

ANATEK Labs 1917 S. Main Moscow, Idaho 83843 (208) 883-2839

#### 3.2.2 Results

Samples were analyzed for the following:

- 1) Total Petroleum Hydrocarbons-Gasoline or Diesel (TPH-G or TPH-D)
- 2) Benzene, toluene, ethylbenzene, and xylene (BTEX)
- 3) Lead

EPA analysis methods are as follows: TPH-G, TPH-D and BTEX - EPA 8020 modified. Appendix III is a copy of the lab report. No diesel contamination was detected in any of the samples taken from the pit which contained the 750 gallon UST containing diesel. BTEX compounds were not analyzed for in any of these samples. Two (2) of the three (3) samples obtained from the pit which contained the 1,000 gallon leaded gasoline UST indicated contamination as high as 3,840 parts per million (ppm) TPH-G, and total BTEX as high as 983.8 ppm. Two (2) of the three (3) samples obtained from the pit which contained the 6,000 gallon unleaded gasoline UST indicated contamination as high as 7,850 parts per million (ppm) TPH-G and total BTEX as high as 999.0 ppm. Two of the three samples obtained from the stockpiled excavated soil indicated no contamination, while the third indicated minor amounts of TPH-G contamination. None of the samples analyzed for total lead were above WDOE action levels, with the highest value being 73.0 ppm. Results are listed in Table 2 and are given in mg/Kg (ppm).

#### 3.2.3 Discussion

All of the results from the samples obtained from the pit containing the 750 gallon diesel UST are below the action levels set by the Washington Department of Ecology (DOE). Two of the three samples obtained from the pit containing the 1,000 gallon leaded gasoline UST indicated contamination levels above the action levels set by the DOE. Two of the three samples obtained from the pit containing the 6,000 gallon unleaded gasoline UST also indicated contamination levels above the action levels set by the DOE. The soil action levels for petroleum releases

according to the DOE are listed in Table 3.

The pit which contained the 750 gallon diesel UST was determined to be uncontaminated according to the action levels set by the DOE. There was some debris (i.e. old cans, metal pails, etcetera) in the bottom of the pit. As was noted earlier in this report, the pits which contained the 1,000 gallon leaded gasoline and the 6,000 gallon unleaded gasoline tank were

Table 2: Sample Results from the Removal of the 750 Gallon Diesel, 1,000 Gallon Leaded Gasoline, and 6,000 gallon Unleaded Gasoline UST's.

Sample #	TPII	Benzene	Toluene	Ethylbenzene	Xylene	Lead
L750-IAO-1	υ <sup>1</sup>	NA	NA	NA	NA	NA
L750-IAO-2	υ¹	NA	NA	NA	NA	NA
L750-IAO-3	, O <sub>1</sub>	NA	NA	NA	NA	NA
L750-IAO-4	Ul	NA	NA	NA	NA	NA
LIK-IAO-1	U <sup>2</sup>	υ	U	U	U	1.1
L1K-IAO-2	5,250 <sup>2</sup>	1.6	46.3	2.9	148.0	73.0
L1K-IAO-3	3,840 <sup>2</sup>	66.3	339.0	99.5	479.0	62.0
L1K-IAO-4	U <sup>2</sup>	υ	U	U	υ	6.0
L6K-IAO-1	$U^2$	U	U	U	Ū	NA
L6K-IAO-2	7,850 <sup>2</sup>	43.6	316.0	95.4	544.0	NA
L6K-IAO-3	2,120 <sup>2</sup>	1.03	149.0	5.10	76.1	NA
L6K-IAO-4	1122	0.04	1.22	0.203	1.54	NA

TPH Total petroleum hydrocarbons

U Undetected

NA Not analyzed for these analytes

Results in bold are above Washington DOE Action Levels

Analyzed for TPH-Diesel
Analyzed for TPH-Gasoline

determined to be contaminated as sample analysis results were above the action levels for remediation of gasoline contamination set by the DOE. The contamination was deemed to have originated due to overfill of the tank, overfill of vehicle's tanks, spilling during refueling, and/or product leaking from the tanks.

The soil removed during the excavation was placed on the asphalt around the station and later moved behind the station and placed on thirty (30) millimeter (mm) plastic. The soil from the pits were placed in one pile and covered with thirty (30) mm plastic. Bob Garrett, owner of the Loomis Chevron, indicated that he has a private party which has agreed to accept the contaminated soil and "land farm" said soil by using it as fill for said private parties roads. The

soil will remain at its present location behind the service station until such time permission has been received to transport the soil to said private parties property.

Table 3: Soil Action Levels set by the Washington Department of Ecology

Analyte	Action Levels
Benzene	00.5 mg/Kg
Ethylbenzene	20.0 mg/Kg
Toluene	40.0 mg/Kg
Xylene	20.0 mg/kg
TPH (gasoline)	100.0 mg/Kg
TPH (diesel)	200.0 mg/Kg
Lead	250.0 mg/Kg

#### 3.3 Site Characterization

Blue Ridge Associates was not allowed on the site unless asked by the Pollution Liability Insurance Agency (PLIA) or by Hydrocarbon Specialty Contractors, Inc. (HSCI). Iain A. Olness, of Blue Ridge Associates, Inc. was on site on 5 April 1993 to conduct a site characterization for the 1,000 gallon leaded gasoline and 6,000 gallon unleaded gasoline excavation. The two pits had been further excavated to become one pit (See Figure 6, Locations of Photoionization Detector Readings Obtained During the Site Characterization.) A probing hole had been dug to approximately eighteen (18) feet in the southeast corner of the pit and it was reported to Blue Ridge Associates that contamination was still prevalent at this depth. Sluffing of the side walls resulted in this exploratory hole being covered prior to Mr. Olness' arrival on the site with the bottom of the pit being approximately twelve and a half (12.5) feet below ground surface. A Microtip MP-1000 photoionization detector (PID) was used to analyze the soil in the bottom of the pit with the results listed in Table 4 (See Figure 6, Locations of Photoionization Detector Readings Obtained During the Site Characterization.)

The excavated stockpiled soil was also analyzed using the PID and the results are listed in Table 5 (see Figure 7, Approximate Location of Photoionization Detector Readings from Stockpiled Excavated Soil).

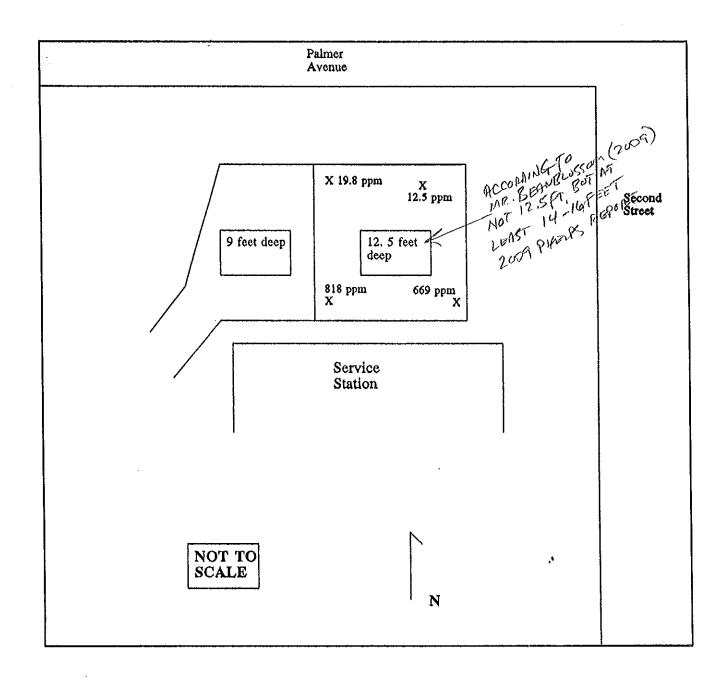


Figure 6: Locations of Photoionization Detector Readings Obtained During the Site Characterization.

Table 4: Results from Photoionization Detector readings obtained from the bottom of the pit during site characterization.

Sample Location	PID Reading		
Northwest corner	19.8 ppm		
Northeast corner	12.5 ppm	000006	
Southeast corner	669.0 ppm	> HOLE TO	13 FEET IN DE
Southwest corner	818.0 ppm		

Results in bold are above Washington DOE Action Levels

Table 5: Results from Analyses of Stockpiled Excavated Soil.

Sample Number	PID Reading
One	117.0 ppm
Two	818.0 ppm
Three	320.0 ppm
Four	306.0 ppm
Five	432.0 ppm
Six	693.0 ppm

Results in bold are above Washington DOE Action Levels

#### 3.3.1 Site Characterization Findings

Iain Olness of Blue Ridge Associates, Inc. talked with Jim Chulos of the Central Office of the Washington Department of Ecology and it was decided that to delineate the lateral and vertical extent of contamination boreholes would be utilized. A minimum of five (5) boreholes should be drilled around the pit with two (2) samples being obtained at five foot intervals beginning at ten (10) feet below ground surface. The first sample will be analyzed with the PID and the second sample will be sent to an analytical lab for analysis.

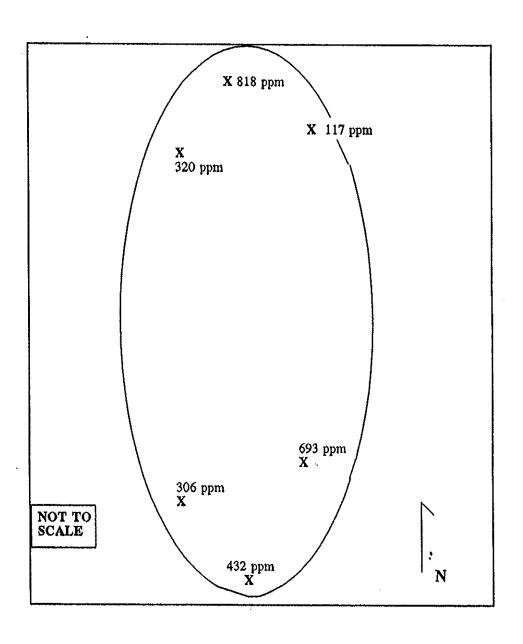


Figure 7: Approximate Location of Photoionization Detector readings from Stockpiled Excavated Soil.

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

The SITE ASSESSMENT/SITE CHARACTERIZATION REPORT was completed on 20 April 1993. It is believed to be a factual, unbiased report based on the investigations and sampling at the Loomis Chevron in Loomis, Washington.

None of the three (3) samples obtained from the excavation of the 750 gallon diesel UST were above the action level threshold values for TPH-D. No additional sampling is necessary as the sample results indicate that none of the samples were above the action level threshold values as set by the Washington State DOE. This pit should be filled as soon as possible to avoid any contamination. Two (2) of the three (3) samples obtained from the excavation of the 1,000 gallon leaded gasoline UST were above the action level threshold values for TPH-G and BTEX. Two (2) of the three (3) samples obtained from the excavation of the 6,000 gallon unleaded gasoline UST were also above the action level threshold values for TPH-G and BTEX.

The pit which contained the 1,000 gallon leaded gasoline UST and the 6,000 gallon unleaded UST still contains contaminated soil as is evidenced by the sample results. This contamination problem was discussed with Jim Chulos of the DOE. Jim stated that according to Washington State Regulations the extent of vertical and lateral contamination needs to be determined. The pertinent regulations are found in the Model Toxics Control Act--Cleanup (MTCA-C) in the following sections:

Table 6: Pertinent Model Toxics Control Act--Cleanup Regulations

(1) WAC 173-340-350:	State remedial investigation and feasibility study; Section 6 (c) (i), (ii), and (iii)
(2) WAC 173-340-450:	Releases from underground storage tanks; Section (3) (a) (iii)

It is proposed that to delineate the extent of vertical and lateral contamination that five (5) boreholes be drilled around the excavation and sampled at five (5) foot intervals beginning at a depth of ten (10) feet and continuing to a depth of fifty (50) feet or until it is determined that the contamination has been cleared. Tanks have since been installed in the pit and clean pea gravel was used to fill the pit. Exact drilling locations will be partially decided at the site due to the installation of the new tanks.

There is indication of contamination by hydrocarbons or petroleum products in the areas around the UST's. A Site Check/Site Assessment form and Site Characterization Report will also be submitted to the DOE.

#### 5.0 LIMITATIONS

This report is for the exclusive use of Bob Garrett of the Loomis Chevron to assist in the evaluation of potential environmental liability associated with the UST formerly located on the subject property. All work has been performed in accordance with the guidelines of the Washington Department of Ecology. No other warranty, expressed or implied, is made.

The conclusions are based on existing conditions, observations, and data made available by the owner and governmental agencies. Blue Ridge Associates, Inc., accepts no liability for lack of accuracy in data obtained from governmental agencies. Any representation regarding future generation, storage, handling, or use of hazardous materials, substances, or wastes on this property is outside the scope of this UST site assessment.

Field/Office investigations and report completed by:

Iain A. Olness

Hydrogeologist

## APPENDIX I WORK PROPOSAL

# APPENDIX II UST AND LUST LISTS

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	TROUT LAKE SCHOOL	7-7 COUNTY GROLLY	F-Z CURNER GRUCERY	F-2 LUNAL BRULENT	F-Z LUKNEK GKULEKY	HALESTURY INC	HALESTOKH INC	HALESTOKM INC	KLICKTIOT COMMITY CHOR DUTTECOMEN	N N	KLICKITAT COUNTY SHOF WHITESALMO	STARVIN JOHNS DER HEIDIS GAS & D	STARVIN JOHNS DEA HEIDIS GAS & D	ELI TRANSFORTALION DEPT-SCHOOL DISI.	485-17 RREDSTSS MOINTENONCE CITE	THE DECEMBER OF STREET	BREWSIER MOINIENONCE CITE	TOMASKET RAINTENANCE SLIE	TONBSKET MAINTENANCE SITE	IDNASKET MAINTENANCE SITE	TWISP HOINTENANCE SITE	TUISP MAINIEMANCE SITE	TWISF MAINTENANCE SITE	PREWSTER CENTRAL OFFICE (4848-R8	1)	J AND J ENIERPRISES		J AND J ENTERPRISES	J AND J ENTERFRISES	MUMMA TRUCKING	HUMMA TRUCKING	HUBBA IKUKING	DUNING INUCKLING	WORKS
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o ritual	(583) 422-3358	(283) 689-2688						(286) 753-5755		(503) 977-9764	(583) 977-8764					(583) 826-2827								(583) 223-4444	(285) 459-6482	(286) 459-6482			(583) 336-2855	(583) 996-2855								(589) 422-3358	
U Milloscescescescescescescescescescescescesces	OKANDGAN COUNTY DEPT OF PUYLIC WORKS	PHILIF JOY	TRIANGLE TEXACO	TRIANGLE TEXACO	TRIBNSI E TEXACO	TRIANSLE TEXACO	PARKS & RECREATION COMMISSI	SH ST. FARKS & RECREATION COMMISSI	<b>E</b>	WILLIAM V. MCADOW	WILLIAM V. MCADOW		L STOKE INC	STURE INC	CKEATION COMMISSI	HURVEY REESE			RUCERY			אבאר בירטי			WASH, ST. DEPT. OF NATURAL RESOURCES (2	HASH. SI. DEFI. OF NATURAL RESOURCES (2		STORE	STORE	THE MAZAMA COUNTRY STORE (S	FLYING J INC (8)	FLYING J INC (8)			CITY OF OKANGGAN	-	DEPT OF PURCTE BURKS	OKANOGAN COUNTY DEPT OF PUBLIC WORKS (SE	
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	BREWSTER	<b>FREUSTER</b>	REUSTER	FREWSTER	BREWSTER	PREUSTER	BRIDGEFORT	PKIDGEFORT		CARL TON	CASL TON	CARL TON	CONCONULLY	CONCONDELLY	CONCONULL Y	CONCONULLY	CONCONULLY	CONCONDLLY	ELLISTORD-TONDSKFT	ELLISPORD-TONGSKET	1 Prints	100410	LOCATO	Courts	100nis	LOOMIS	***************************************	AMAZAMA	HRZATA	маzама	OKANOGAN	ОКАНОБАН	OKANOGAN	DKANDGAN	OKANOGAN	OKANOGAN	OKANOGAN	ОКЯНОБЯН	
	282 NU 1ST AVE	RTE 1 FOX 71	26848 STATE HWY 97/FOX 895	26848 STRTE HWY 97/FOX 885	26348 STATE HWY 97/80X 885	97/E0X	123N R26E SU1/4 SECTION 18	729N RZ6E SW1/4 SECTION 18		POE 158 HWY 153	POR 158 ANY 153	FOB 158 HWY 153	201 SOUTH MAIN ST/ FO 80X 65	201 SOUTH MAIN ST/ PO ROX 65	FO BOX 95	CORNOR LK & MAIN PO BOX 36	CORNOR LK & MAIN FO BOX 96	CORNOR LK & MAIN PO BOX 36	32141 HIMAY 97 NOKIH	32141 HIMPY 97 NORTH	138 EBST POLITER	190 FOST FOLKED	198 FOCT FOLKED	170 CH31 FHLICK	NUL/4 IUF38N KGE25E	NUL/4 TUP38N KGE25E	TO CO. STATE AND A STATE OF THE	UNE LUSI KIVEK KURD	GNE LUST KIVEK KUHU	ONE LOST RIVER KOAD		2842 ELM 44Y	2842 ELM 49Y	2842 ELM 418Y	SECOND AVENUE NORTH	EASTSIDE	263 RAILROAD AVENUE	269 RAILROAD AVENUE	
ı	OKAHOGAN COUNTY BEFT, OF FUBLIC WORKS	PHILIF JOY	TRIGNOLE TEXACO	TRIANGLE TEXACO	TRIANGLE TEXACO	TRIANGLE TEXACO	BRIDGEFORT STATE FARK	PRIDGEFORT STATE PARK	· · · · · · · · · · · · · · · · · · ·	WILLIAM V. MCADOW	WILLIAM V. MCADOW	WILLIAM V. MCADOW	CONCONULLY GENERAL STORE INC	CONCORULLY GENERAL STOKE INC	CONCONULLY STATE PAKK	HURVET REESE	HURVEY REESE	HURVEY REESE	ELLISFORDE GROCERY	ELLISFORDE GROCERY	KEN NEAL	KEN NEG	KEN N3X		WH ST DEFTHRITLING OF NATURAL RESU UNCES	49 ST DEPARTMENT OF NATURAL RESO	CACLES MAJORA CALITY CLOSE	INC DALAM COUNTY STORE	THE MACHINE COUNTY STORE	THE DRIVING COUNTRY STUKE	FLYING J SERVICE	FLYING J SERVICE	FLYING J SERVICE	FLYING J SERVICE	LIFT STATION 1	LIFT STATION 2	OKANOGAN COUNTY DEPT. OF PUBLIC	OKANOSAN COUNTY DEFT. OF PURLIC	
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OKANDSAN COUNTY DEPT OF PUBLIC WORKS (589) 422-3358	(582)	(582)	(982)		(583) 422-3318		(583) 856-6756	9529-928 (283)	(583) 689-2538	(583) 683-2538	(583) 683-2538	(588) 422-3688	(286) 426-1661	(286) 426-1661	01L (583) 996-3284	: 01L (583) 996-3284	0IL (589) 336-3284	(583) 826-1178	(583) 826-1178	CES, INC (206) 623-4858	(286) 624-5988	(286) 624-5388	(286) 624-5988	INC (286)	OIL (593) 996-3284	01L (583) 936-3284	OIL (589) 996-3284	01L (589) 396-3284	(583) 476-3515	(589) 476-3515	(583)	(283)		(283)		(583) (583) (583)	(583) (583) (583)
					318 OKANOGAN FUD #1		352 VEKLEN L PETEKSON	352 VEKLEN L PETERSON	576 J AND J ENTENFRISES	576 J AND J ENTERPRISES	576 J AND J ENTERPRISES	SOO CITY OF OKANDGAN	121 MASHINGTON STATE PATROL	421 WASHINGTON STATE PATROL	279 FART EKADSHAW - PAKDNERS	279 EART ERADSHAW - FARDNERS OIL	179 BART BRADSHAW - PAKDMEKS DIL	.78 CITY OF OMOK	78 CITY OF OMSK	134 U S WEST BUSINESS RESOURCES,	82 GULL INBUSTRIES INC	82 GULL INDUSTRIES INC	82 GULL INDUSTRIES INC	34 U S WEST BUSINESS RESOURCES,		RAKT BRADSHAW - FAKDNERS	16 BART BRADSHAW - PAKDNERS OIL	16 FART BRADSHAW - FAKDNERS OIL	AGRO MINERALS INC	AGKO MINERALS INC	54 EISEN'S CHEVRON & MINI MART	54 EISEN'S CHEVRON & MINI MART	_			_	
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269 KALLKOAD AVENUE	115 ROSE STREET	115 ROSE STREET		1331 2ND N FO BOX 912	1331 2ND N FO BOX 912	205 SECOND NORTH	285 SECOND NORTH	285 SECOND HOKTH	SECOND AND SPYCICE	SECOND AND SPRUCE	SECOND AND SPRUCE	1681 ISLAND	TWO PATKOL STREET	THO PAIROL STREET	111 RIVERSIDE DRIVE	111 RIVERSIDE DRIVE	111 KIVEKSIDE DKIVE	AIRFORT ROAD	AIKI-ORI ROAD	16 W 3KD	687 OKOMA DRIVE	687 OKOMA DRIVE	687 DKOMA DKIVE	641 OKAMA DK	688 OMACHE DRIVE	688 DMACHE DRIVE	688 OMACHE DRIVE	688 OMACHE DRIVE	E2 SE SS 138 R27	E2 SE S\$ 138 R27	1581 MAIN STREET	ISB1 MAIN STREET	1581 MAIN STREET	1581 MAIN STREET	1714 MAIN		1714 MAIN
WORKS OKANDGAN COUNTY DEPT. OF FUBLIC WORKS	AN MAINTENANCE DIV.		OKANOGAN MAINTENANCE DIV. SITE	OKANOGAN FUD #1	OKANOGAN FUD #1	PETES EXXON	FETES EXXON	FETES EXXON	QUIK-E-FIRET	QUIX-E-MAKI	QUIK-E-#AKT	TREATMENT FLANT	WASHINGTON STATE PATROL-OKANDGAN	WASHINGTON STATE PATROL-OKANDGAN	BEST LITTLE MINI MKT IN OMAK	REST LITTLE ATHI MKT IN OMBK	REST LITTLE MINI MKT IN ONOK	CITY OF CHAK MUNICIPAL AIRPORT	CITY OF OTHER MUNICIPAL AIRFORT		OMRK GULL #611	OTHER GULL H611	ORAK SULL #511	OTHER SOC 878886	PAKDNEKS MINI MAKKET-OMACHE MALL	PARDMERS MINI MARKET-OMACHE MALL	PARDNERS MINI MARKET-OMACHE MALL	PAKDMERS MINI MARKET-OMACHE MALL	ASKO MINERALS INC.	AGRO MINERALS INC.	EISEN'S CHEVRON & MINI MART	EISEN'S CHEVRON & MINI MART	EISEN'S CHEURON & MINI MARI	EISEN'S CHEVRON & MINI MARI	GILKEKT ROSER		GILBERT MUSER
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984169	168	JACKFOT 891	1518 MAIN STREET	OKOVILLE	5834762366	TIME OIL CO.	(286) 285-2488
234168	167	JACKFOT 081	1518 MAIN STREET	CROUILLE	5894762365	TIME OIL CO.	(285) 285-2488
e65737	m	OKANDGAN COUNTY DEFT. OF FUBLIC WORKS		OKOVILLE	5094763431		(283)
385737	÷1	DKANDGAN COUNTY DEPT. OF PUBLIC HORKS	588 APPLE WAY	OKOVILLE	5894763431	OKANOGAN COUNTY DEFT OF FUELIC WORKS	5 (589) 422-3358
326691	53	DEDVILLE	HHY 7	OROVILLE		OKANDGAN PUD #1	(583) 422-3318
16991	-	CSDAILLE	HWY 7	OKOVILLE		DKANDGAN FUD #1	
:95.387	益	OSOYOOS LK STAT FARK	R11 EUX182A	OROVILLE	5894763321	MASH ST. PARKS & RECKEATION COMMISSION	(236)
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58383	UL528533	F3D MINI MAKT	133	OKOVILLE .	5834763544	LAWRENCE FINSEN	
: 86383	UL528538	FED MINI MAKT	BOX 124, KT 1, MILE POST 336	OKOVILLE	5894763544	LAWRENCE FINSEN	(583) 476-2658
144233	4	FARDNEKS MINI MARKET-OROVILLE	5288 JUNIFER AVENUE	DROVILLE	5894763343	BART BRADSHAW - PARDNERS OIL	(589) 936-3284
58233	2	PAKDNEKS MINI MAKKET-OKOVILLE	5288 JUNIPER AVENUE	OKOVILLE	5894763943	RAKT BRADSHAW - PAKDMERS OIL	(583) 996-3284
S\$233	3	PARDNERS MINI MARKET-ORDVILLE	5288 JUNIPER AVENUE	OROVILLE	5894763943	BERT BRADSHAW - FERDNERS OIL	(583) 996-3284
53233	· #	FAKDNERS MINI MAKKET-OKOVILLE	5288 JUNIFER AVENUE	OROVILLE		EKADSHAW - PAKDNERS	-
::£313	7	ALTA LAKE STATE FARK	STAR ROUTE BOX 48	FATER0S		WASH ST. FARKS & RECREATION COMMISSI	
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Se 95	4f.	PATEROS TRADING COMPANY INC	245 LAKESHOKE DRIVE / FO BOX 147	PATEROS	5039232260	PATEROS TRADING COFFANY INC	(583) 323-2288
35548	**	FATEROS TRADING COMPANY INC	245 LAKESHOKE DRIVE / PO BOX 147	PATEROS	583323288	FRIEKOS TRADING COMPANY INC	(583) 923-2288
5648	స	FATEROS TRADING COMPANY INC	245 LAKESHOKE DKIVE / FO BOX 147	FATEROS	58332388	FATEROS TRADING COMPANY INC	(583) 323-2288
.543	18	PATEROS TRADING COMPANY INC	245 LAKESHORE DRIVE / PO BOX 147	PATEROS	583323288	PATEROS TRADING COMPANY INC	(583) 923-2288
:918	1	BENEAS VALLEY GENERAL STORE	1165 RENERS VALLEY ROAD	TONASKET	5894864515	AENEAS VALLEY GENERAL STORE	
33	#2	PUNAFARIE LAKE RESONT	695 BONAPARTE LAKE ROAD	TONOSKE T	5834862828	KUNALD L KOSE & PEGGY ROSE	(583) 486-2828
1722	#1	FONAFARTE LAKE RESORT	695 FUNAPARTE LAKE RUAD	TONASKET	_	RONALD L ROSE & PEGGY ROSE	
-45739	m	OKAMOGAN COUNTY DEFT OF FURLIC W	32 TONASKET SHOP ROAD	TONASKET	5894862139 (	OKANDGAN COUNTY DEPT OF PURLIC WORKS	
		ORKS					
\$738	<b>-</b> -1	OKANOGAN COUNTY DEPT OF FURLIC #	32 TONASKET SHOP KOAD	TONASKET	5834862139 (	OKANDGAN COUNTY DEFT OF PUBLIC WORKS	(589) 422-3358
992.	^	TOWOCKET GIRL HE13	BOY 13 1314 97	TORVORCY	COCCOOKED C	CH CAMPACATOR TAN	0003 767 (7067
744	i •₹	TONGSKET GULL #613	EOX 13 HUY 97	TONGSKET		GOLL INDISTRIES INC	
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Q (	-4 r	LLUTD LUGGING, INC.					
e⊈ e∓	7)	LLUTD LUGGING, INC	HIGHWAY 20 PO KOX 218	THISF	5833372441 L	LLOYD LOGGING, INC	(583) 997-2441

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832385	4	LLOYD LOGGING, INC	HIGHWAY 28 FO BOX 218	TUISP	5899972441	LLOYD LOGGING, INC	(583) 937-2441
882365	2	LLOYD LOGGING, INC	HIGHWAY 28 FO BOX 218	dSIMI	5899972441	LLOYD LOGGING, INC	(583) 397-2441
805734	<b>5-4</b>	OKANOSAN COUNTY DEPT. OF PURLIC UNKKS	INTER-CITY AIRFORT KOAD	TUISP	5833363382	OKANDGAN COUNTY DEPT OF PUBLIC NORMS	(583) 422-3358
295734	m	OKANOGAN COUNTY DEPT. OF PUBLIC WORKS	INTER-CITY AIRFORT ROAD	. dSIn1	5899963982	OKANDGAN COUNTY DEPT OF PUBLIC WORKS	(583) 422-3358
905145	ษา	TUISF CHEVRON SEKVICE 93686	126 RETHOW VALLEY HAY NOKTH	TUISP	5899973181	GEORGE PORT	(589) 997-3181
905145	c۷	TWISP CHEVRON SERVICE 93686	126 METHOW VALLEY HWY HORTH	dSIAL	5833973181	GEORGE FORT	
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135145	<b>~</b> 1	TWISP CHEVRON SERVICE 93686	126 METHOW VALLEY HWY NORTH	TUISF	5039373181	GEORGE FORT	(583) 937-3181
120171	1KEG	WAUCONDA STORE	2432 HIGHWAY 28	HRUCONDA	5894864818	WAUCONDA STORE	(583) 486-4818
128171	SUNLEAD	WAUCONDA STORE	2432 HIGHBRY 28	HOUCONDA	5834864818	HAUCONDA STORE	
tr35177	1-JFS FUEL	NOKTH CASCROES SHOKEJUMPER BASE	EAST SIDE COUNTY KOAD	WINTHROP	5899972831	OKANOGAN NATIONAL FOREST	(583) 422-2784
286386	-	PEPRRYGIN LAKE STATE PARK	RT 1 ROX 388	WINTHROP	5839362378	WASH ST. PAKKS & RECREATION COMMISSI	(286) 753-5755
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138532	20% EADED	WINTHROP ROTORS INC	228 RIVERSIDE	LINTHROP	5839362277	WINTHROF MOTORS INC	
169635	1UNLEADED	WINTHKOP MOTOKS INC	228 KIVERSIDE	WINTHROP	5833962277	WINTHROP MOTORS INC	
186535	3KEGULAR	WINIHKOF MOTORS INC	228 RIVEKSIDE	UINTHROP	5833362277	WINTHROP HOTORS INC	(583) 936-2277
#12215	66584884	AKEAZ NAINTENANCE SITE	SK82, EXII 38, 8, 8MILES NORTH ON E		2865582574	WA ST DEFT OF TRANSPORTATION	(286) 753-6815
			AST SE				
:2215	65191814	AREAZ MAINTENANCE SITE	SK82, EXIT 98, 8, SMILES NOWIH ON E		2865582574	449 ST DEPT OF TRANSPORTATION	(286) 753-6815
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:2236	66113882	KITHECK MINIENANCE SITE	SRI2, MP185_5, JCT 411H SK418		2855582574	NA SI DEFI OF IRANSFORIATION	(225) 753-6815
2215	66513803	RIMKOCK MAINTENANCE SITE	SK12, MP185.5, JCT WITH SK418			WA ST DEPT OF TRANSFORTATION	(286) 753-6815
326	56E13881	RIMFOCK MAINTENANCE SITE	SR12, MF185.5, JCT WITH SK418		2865532574	WA ST DEFT OF TRANSPORTATION	(286) 753-6815
6 1/2	2	GOLD NUGGET MINI MAKT	BUENA KD / HIWAY 12	BUENA	5898655586	GOLD NUSSET INC	(583) 865-5586
E92	<b>,</b> –	GOLD NUSSET MINI MAKT	FUENA RD / HIWAY 12	EULHA	5898655586	GOLD NUGGET INC	(583) 865-5586
443	2	ROBY'S SERVICES	MAIN ST & FUKR ST.	BUENA	5838653832	KOBY'S SEKVICES	(583) 865-3892
853	<del>بر</del> ا	KORYTS SERVICES	MAIN ST & BUKK ST.	RUENA	5838653832	KOKY'S SEKVICES	(583) 855-3832
0449	331615	WASHINGTON STATE PATROL-CLEMANS	LAT 46 49 24, LONG 128 51 28	CLEMANS MOUNTAIN			
Ş	(S) 6RS	HIGHLAND SCHOOL DISTRICT #283	SUMMITVIEW-COMICHE RD.	CONTONE		#263	(583) 578-4173
,,,, ,,,	(1) DIESEL	HIGHLAND SCHOOL DISTRICT #203		CONTCHE	5896784173 H	HIGHLAND SCHOOL DISTRICT #283	(583) 678-4173
(4)	rs.	LYLE T. SOT		CONICHE	5896784192	I. KOY	(583) 578-4132
ن	<b>+</b>	LYLE T. ROY		CONTCHE		T. KOY	
3	<b>~</b>	<b>.</b> :		CONTCHE		T. ROY	
/9	ر ا	LYLE 1. KOY	16630 SUMMITVIEW ROAD	CONTCHE	5836784132 L	LYLE T. KOY	(583) 678-4192

## DEPARTMENT OF FOUR TOXICS CLEANUP PROGRAM

#### LEAKING UNDERGROUND STORAGE TANK SITE LIST July 16, 1992

A ( July 16,	1992
Chancigan County	
C/Kancascon cool 19	INCIDENT NUMBER 3459
CIDENT NUMBER 3300	CITE HAPP HS PAUCOPP PACIFIC
WASHIBSTOR	FRUIT
ADDRESS B & O ROAD PO BOX 21	ADDRESS COLUMBIA ST BTWN
	2ND & 3RD
ZIP+4 98829	CITY OHAK
ALTERNATE NAME	210+4
UST SITE NUMBER 101170	ALTEPRATE HAMF APPLY PROCESSING/COLD
SUSPECTED RELEASE. 06-07-1991	STORAGE
CLEANUP. INITIATED. OENER/OPERATOR	UST SITE NUMBER LOOS84
ODDINIV. V. S. V.	SUSPECTED RELEASE, 04-30-1990
INCIDENT NUMBER 3336	CLEANUP. HITTATED. OEHER/OPERATOR
SITE NAME HORTH CENTRAL PETROLEUM	Chamiter that the transfer of t
. INC.	INCIDENT NUMBER 1007
ADDRESS 30 S MAIN ST	STIF BAUE EISEN'S CHEVRON &
CITY OMAK	WINT WARL
ZIP+4 98841	ADDRESS 1501 MAIN STREET
ALTERNATE NAME CHEVRON 0442	CATY OROVILLE
UST SITE NUMBER 005053	988441658
SUSPECTED RELEASE. 07-26-1990	ALTERNATE NAME PAUL EISER CHEVROR
CLEANUP. INITIATED. OENER/OPEPATOR	Her SITE RUMBER 012601
	eventure pricks. 01-20-1919
INCIDENT NUMBER 1020	CLEARUP. INITIATED. OENER/OPERATOR
SITE NAME OHAK WOOD PRODUCTS	
ADDRESS RT 2 BOX 54	INCIDENT NUMBER 1882
CITY OMAK	SITE NAME JOHN TRANMER/UNION
ZIP+4 988419609	OIF CO.
ALTERNATE NAME UST SITE NUMBER 000075	ADDRESS 615 11TH ST/P O
SUSPECTED RELEASE, 03-28-1989	BOX 276
CLEANUP. INITIATED. OENER/OPERATOR	CITY OROVILLE
CLEANUP: INITIATION COMMING	ZIP+4 988440276
INCIDENT NUMBER 1027	ALTERNATE NAME
SITE NAME PACIFIC COCA-COLA	UST SITE NUMBER 000284
BOTTLING COMPANY	SUSPECTED RELEASE.
ADDRESS 123 NORTH MAIN STREET	CLEANUP. INITIATED. N/A
CITY OMAK	INCIDENT NUMBER 1076
ZIP+4 98841	SITE HAME ORO FRUIT CO.
ALTERNATE NAME	ADDRESS
UST SITE NUMBER 005025	PO BOX T
SUSPECTED RELEASE, 07-17-1989	CITY OROVILLE
CLEANUP. INITIATED. OFHER/OPFRATOP	7.1P+4
	ALTERNATE NAME
INCIDENT NUMBER 3452	UST SITE NUMBER 010537
SITE NAME UNOCAL 0855	SUSPECTED RELEASE, 05-10-1990
ADDER G 129 N MAIN (AT BARTLETT	CLEANUP.INITIATED. N/A
AVE)	Visionia Contract Con
CITY OMAK	
ZIP+4 98841	
ALTERNATE NAME	
UST SITE NUMBER LOOS77	
SUSPECTED RELEASE. 07-06-1988	
CLEANUP INITIATED. OENER/OPERATOR	

CLEANUP. INITIATED. OENER/OPERATOR

## APPENDIX III CLEAN SHEET AND BILL OF SALE

### HYDROCARBON SPECIALTY CONTRACTORS INC. ("HSCI")

Pete Buster, President South 124 Howe Spokane, Wa 99212 (509) 534-5604

fax #1 (509) 535-6177

Industry's regulations for petroleum closures.

HSCI certifies that the tanks were left properly cleaned & inerted, and HSCI's representative signs below showing his agreement with the above statements.

(signing representative of HSCI)

(date signed)



## LOOMIS AG. SERVICE

P.O. BOX 114 LOOMIS, WASINGTON 98827 (509) 223-4388



march 23, 1993

In receipt of:

1 - 750 gallon tank

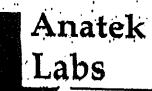
1 - 1000 gallow tank

1 - 6000 gallon tank

for scrap iron.

Duane D Luhn

# APPENDIX IV LABORATORY REPORT



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

March 29, 1993

Blue Ridge Associates, Inc. N. 9 Post, Suite # 250 Spokane, WA 99201

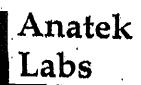
Attn: Iain Olness

Items: Results of analysis for samples received 3/25/93. Sample Log-in number is 761.

Date Sampled: 3/23/93 Report # 93-0329-BRA

Gasoline by WA-TPH-G (EPA 8015 Modified)
Diesel by WA-TPH-D (EPA 8015 Modified)
BTEX by EPA 8020
Total Lead by EPA 7420

Sample Name	Matrix	Analysis Date	Analyte	Concentration	;
L750-IAO-1 L750-IAO-2 L750-IAO-3 L750-IAO-4	Soil Soil Soil Soil	3/26/93 3/26/93 3/26/93 3/26/93	Diesel Diesel Diesel	< 25 mg/Kg < 25 mg/Kg < 25 mg/Kg < 25 mg/Kg	•
Lik-iao-1	Soil	3/26/93	Gasoline Benzene Toluene Ethylbenzene Xylene Lead	< 1.0 mg/Kg < 0.001 mg/Kg < 0.005 mg/Kg < 0.005 mg/Kg < 0.015 mg/Kg 1.1 mg/Kg	
LIK-IAO-2	Soil	3/26/93	Gasoline Benzene Toluene Ethylbenzene Xylene Lead	5250 mg/Kg 1,6 mg/Kg 46,3 mg/Kg 2,9 mg/Kg 148 mg/Kg 73 mg/Kg	) 100 103 7 0K 9 0K
Lik-iao-3	Soil	3/26/93	Gasoline Benzene Toluene Ethylbenzene Xylene Lead	3840 mg/Kg 66.3 mg/Kg 339 mg/Kg 99.5 mg/Kg 479 mg/Kg 62 mg/Kg	)100 1.03 7 100 0K



1917 S. Main 'Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9248

93-0329-BRA Page 2

Sample Name	Matrix	Analysis Date	Analyte	Concentration	
LIK-IAO-4	Soil	3/26/93	Gasoline Benzene Toluene Ethylbenzene Xylene Lead	< 1.0 mg/Kg < 0.001 mg/Kg < 0.005 mg/Kg < 0.005 mg/Kg < 0.015 mg/Kg 6.0 mg/Kg	
L6K-IAO-1	Soil	3/26/93	Gasoline Benzene Toluene Ethylbenzene Xylene	< 1.0 mg/Kg < 0.001 mg/Kg < 0.005 mg/Kg < 0.005 mg/Kg < 0.015 mg/Kg	
L6K-IAO-2	Soil	3/26/93	Gasoline Benzene Toluene Ethylbenzene Xylene	7850 mg/Kg 43.6 mg/Kg 316 mg/Kg 95.4 mg/Kg 544 mg/Kg	100 100 103 103 100 100 100 100 100 100
L6K-1AO-3	Soil	3/26/93	Gasoline Benzene Toluene Ethylbenzene Xylene	2120 mg/Kg 1.03 mg/Kg 149 mg/Kg 5.10 mg/Kg 76.1 mg/Kg	Sok MALOND
L6K-IAO-4	Soil	3/26/93 	Gasoline Benzene Toluene Ethylbenzene Xylene	112 ' mg/Kg 0.040 mg/Kg 1.22 mg/Kg 0.203 mg/Kg 1.54 mg/Kg	)100 03
	, · · ·	·			JOK DUP.

Mike Pearson

Laboratory Director

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### APPENDIX V

## PERMANENT CLOSURE AND SITE CHECK/SITE ASSESSMENT FORMS



### UNDERGROUND STORAGE TANK

Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section Department of Ecology Mail Stop PV-11 Olympia, WA 98504-8711

1. UST SYSTEM OV	VNER AND LOCATION	n e energe (e energe (e e e e		Tresident and the
Site Owner/Operator:	Bob barrett			
Owners Address:				
;	Loomis	W A State	F	O. Box
Telephone:	(509) -223-4444	State ,		IP-Code
Site ID Number (on invo	olce or available from Ecology If tank	is registered):OO_6	,51	
Site Address:	190 East 1	Palmer		
•	Loomis	WA		County
	City	State		OP-Code
2. TANK PERMANE	NT CLOSURE/CHANGE-IN-SE	RVICE PERFORMED B	Y:	
Firm:	Blue Ridge Asso	ciates, Inc.	License Number:	5001534
Address;	North Pos		250	•
	S pokane		•	P.O. 80x 20 / OPP-Code
Telephone:	(509) 838-8/20	State		DP-Code
Licensed Supervisor:	Jain Olness		Decommissioning License Number:	W002062
ECY 010-182 (12/90)				page 1



## UNDERGROUND STORAGE TANK

Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173,360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

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For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section Department of Ecology Mail Stop PV-11 Olympia, WA 98504-8711

1. UST SYSTEM OW	NER AND LOCAT	ON			
Site Owner/Operator:	Bob Gar	rett			
Owners Address:					
÷	Loom;		WA		P.O. Box
Telephone:		-4444	State		ZIP-Code
		•		*	
Site ID Number (on Invo	ice or available from E	cology if tank is req	gistered):	651	
Site/Business Name;	Loomis C	heuron			
Site Address:	190 E	ast Pal	mer		
	L001	l .	WA	_	County
	City		State		ZIP-Code
2. TANK PERMANE	NT CLOSURE/CHA	NGE-IN-SERVIC	E PERFORMED	BY;	
Firm:	Blue Rida	e Associa	tes, Inc.	License Number:	3001534
Address:	North	9 Post	Suite	250	•
	S po Ka	yne	W A State		P.O. Box 7 20 / ZIP-Code
Telephone:		-8120	Giale		ZIP-Code
Licensed Supervisor:	Jain O	Iness		Decommissioning License Number:	W00 206 2
ECY 010-182 (12/90)					



# UNDERGROUND STORAGE TANK

Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section Department of Ecology Mall Stop PV-11 Olympia, WA 98504-8711

1. UST SYSTEM O	WNER AND LOCATION			
Site Owner/Operator:	Bob Garrett			
Owners Address:				
	Street Loom is	WA	······································	P.O. Box
Telephone:	(509) -223-4444	State		ZiP-Code
		i.		
Site ID Number (on Inve	Dice or avallable from Ecology if tank is reg	alstered): OO	651	•
Site/Business Name:	Loomis Cheuron			
Site Address:	•	mer		
	Loomis	WA.		County
	City	State		ZIP-Code
2. TANK PERMANE	NT CLOSURE/CHANGE-IN-SERVIC	E PERFORMED I	BY;	
Firm;	Blue Ridge Associa	tes, Inc	License Number:	5001534
Address:	North 9 Post			
	3 po Kane	W.H.		P.O. Box
Telephone:	(509) 838-8/20	State		7 20 / ZIP-Code
Licensed Supervisor:	Jain Olness		Decommissioning License Number:	W002862
ECY 010-162 (12/90)		· · · · · · · · · · · · · · · · · · ·		



:	For Office Use Only
Owner #	1
Site#	

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

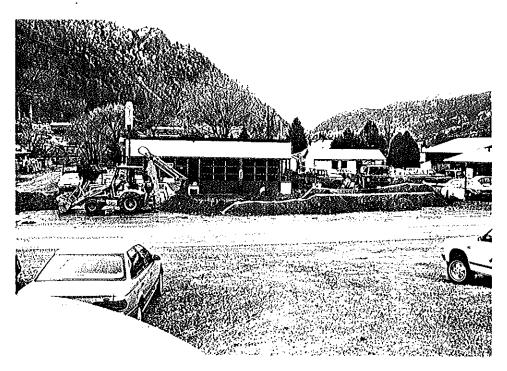
SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section Department of Ecology P. O. Box 47655 Olympia, WA 98504-7655

SITE INFORMATION Site ID Number (on inv Site/Business Name:	voice or available from Ecolo Chevron	ogy if the tanks are	registered): 0065/
Site Address: 190	East Palmer Buent Loomis Chy	Telephone: ( g	509) 223 - 505 4444
TANK INFORMATION Tank ID No.	Tank Cap 750 gall 1,000 gall 6,000 gall	ons lons	Substance Stored  Diesel  Leaded Gasoline  Unleaded Gasoline

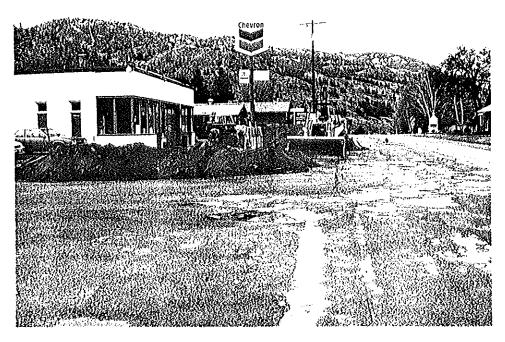
REASON F	OR CONDUCTING SITE CHECK/SITE ASSESSMENT
Check one:	Investigate suspected release due to on-site environmental contamination Investigate suspected release due to off-site environmental contamination
	Extend temporary closure of UST system for more than 12 months. UST system undergoing change-in-service. UST system permanently closed-in-place.
	UST system permanently closed with tank removed. Abandoned tank containing product. Required by Ecology or delegated agency for UST system closed before 12/22/88. Other (describe):

# **PHOTOGRAPHS**



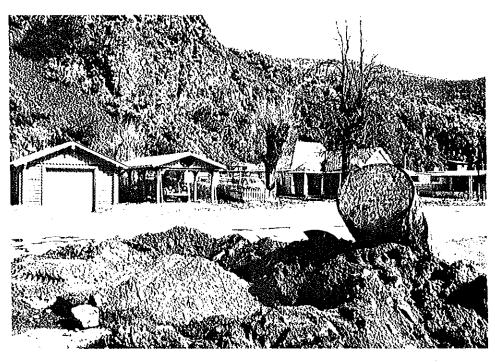
Photograph 1.

View of the Loomis Chevron site, looking south.



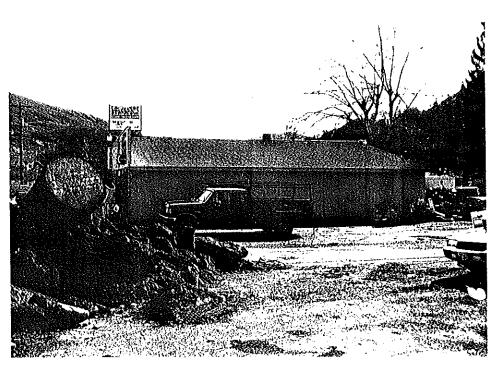
Photograph 2.

View of the Loomis Chevron site, looking west.



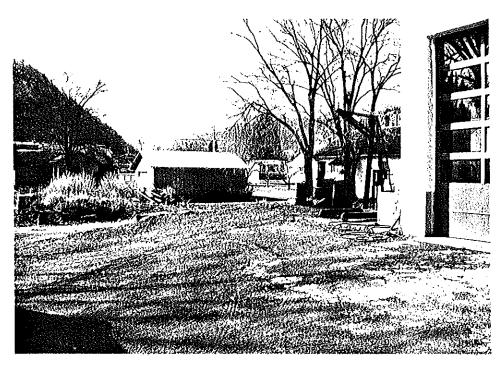
Photograph 3.

View of residential property located northeast of the station, looking northeast.



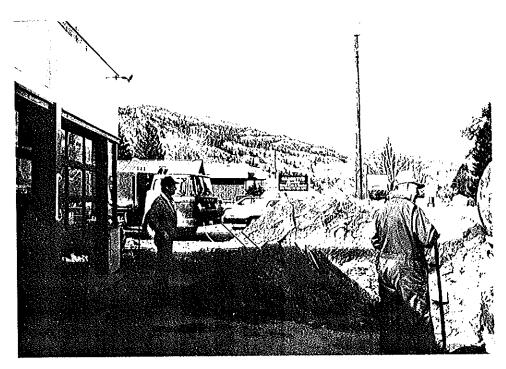
Photograph 4.

View of the Stagestop Store-Tavern-Cafe located east of the station, looking east.



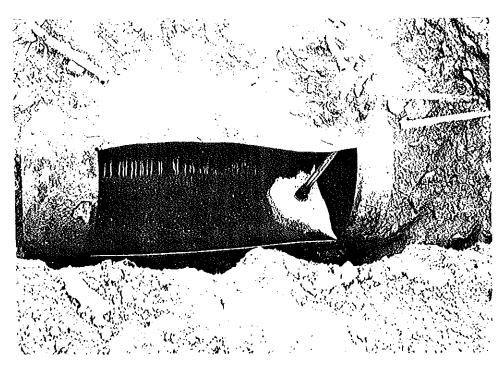
Photograph 5.

Vacant lot located south of the station, looking south.



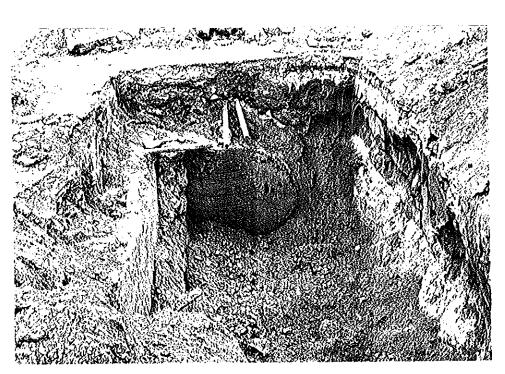
Photograph 6.

Garrett's Quality Used Cars located west of the station, looking west.



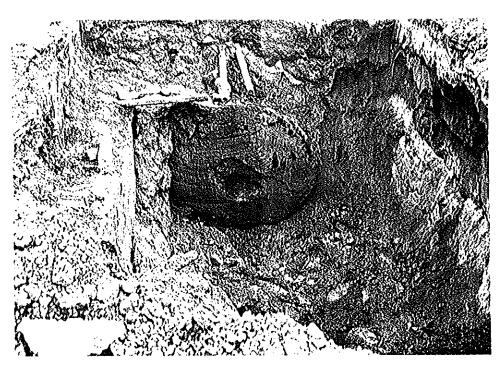
Photograph 7.

View of the cleaned 750 gallon diesel UST, looking west.



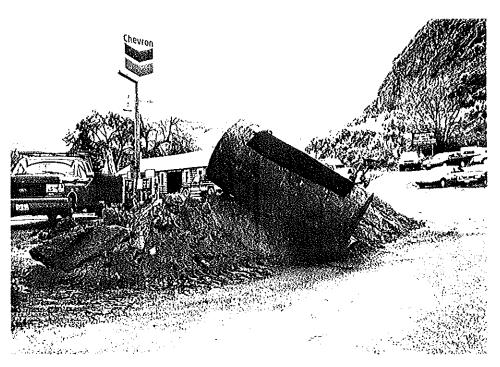
Photograph 8.

View of the excavated pit which contained the 750 gallon diesel UST, looking north.



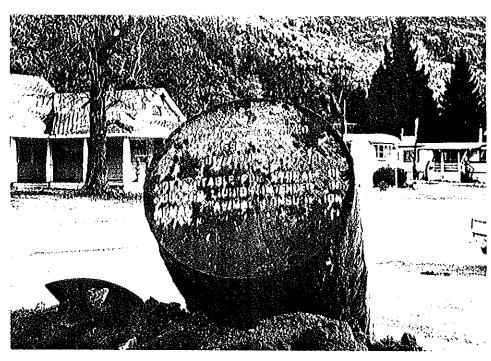
Photograph 9.

View of the excavated pit which contained the 750 gallon diesel UST, looking north. Note the sample location in the endwall of the pit.



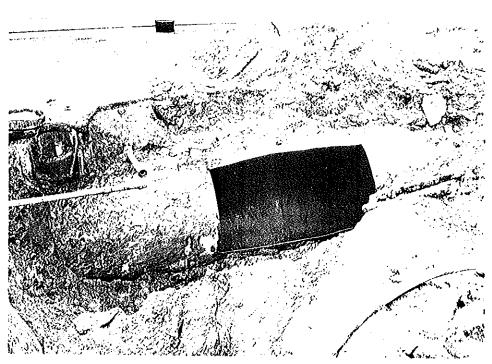
Photograph 10.

The 750 gallon diesel UST after removal from the pit.



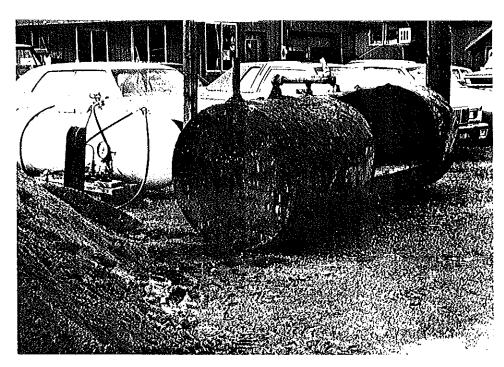
Photograph 11.

The 750 gallon diesel UST showing markings indicating it is unsafe for storage of human or animal consumables.



Photograph 12.

View of the cleaned 1,000 gallon leaded gasoline UST, looking south.



Photograph 13.

The 1,000 gallon leaded gasoline UST after removal from the pit. Note the markings indicating it is unsafe for storage of human or animal consumables.



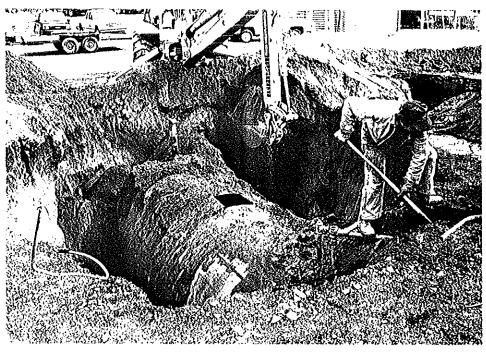
Photograph 14.

View of the excavated pit which contained the 1,000 gallon leaded gasoline UST, looking north. Note hole in back of pit leading to the water main.



Photograph 15.

View of the cleaned 6,000 gallon unleaded gasoline UST, looking northwest.



Photograph 16.

Excavating the cleaned 6,000 gallon unleaded gasoline UST, looking north.

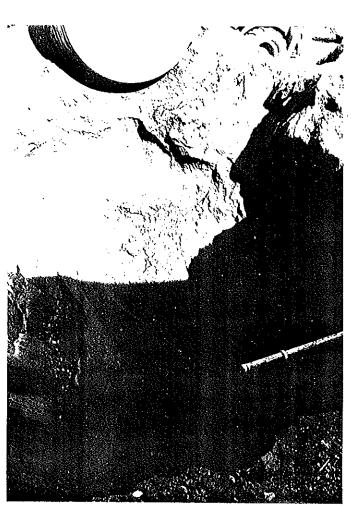


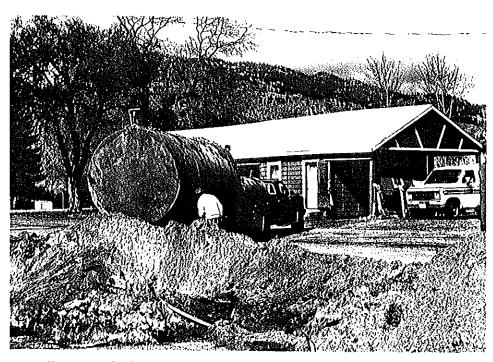
Photograph 17.

The 6,000 gallon unleaded gasoline UST after removal from the pit, looking northwest.

Photograph 18.

View of the excavated pit which contained the 6,000 gallon unleaded gasoline UST, looking north.





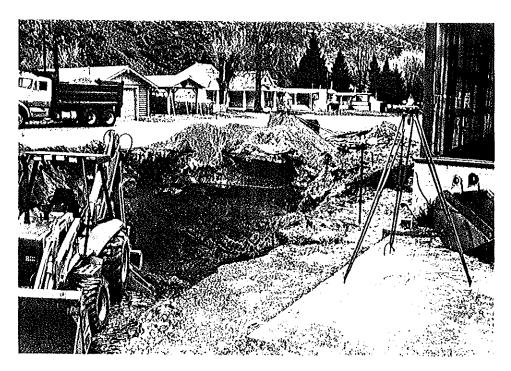
Photograph 19.

Loading the 6,000 gallon unleaded gasoline UST and the 750 gallon diesel UST for removal.



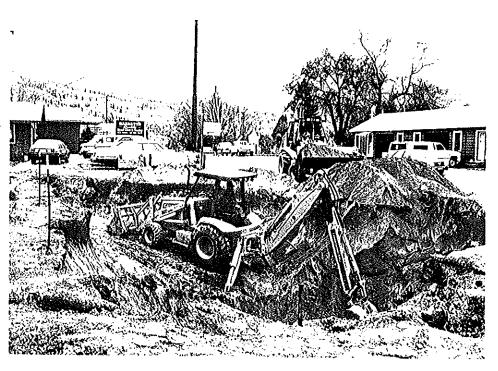
Photograph 20.

Stockpiled excavated soil stored behind the station. Note it is stored on and covered with 30 mil plastic, looking south.



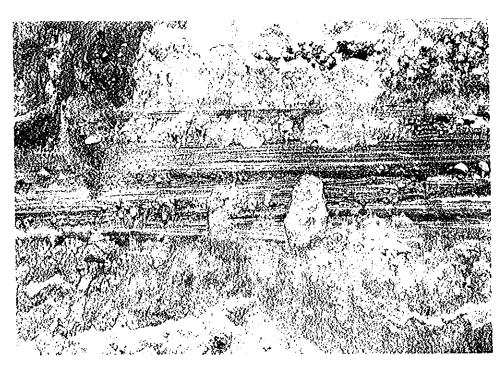
#### Photograph 21.

View of excavation of the pits which contained the 6,000 gallon unleaded gasoline and the 1,000 leaded gasoline UST's, looking east-northeast.



## Photograph 22.

View of excavation of the pits which contained the 6,000 gallon unleaded gasoline and the 1,000 leaded gasoline UST's, looking west-northwest.

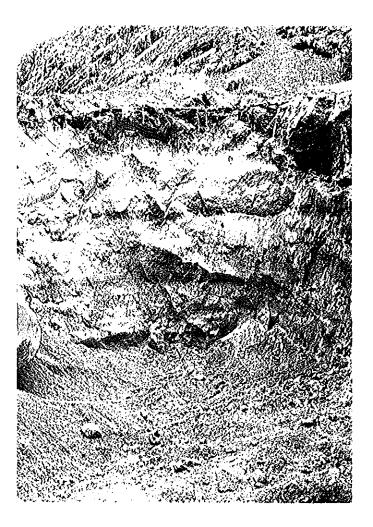


Photograph 23.

Closeup of the stratigraphy located in the new excavation, looking south.

Photograph 24.

Closeup of the stratigraphy located in the new excavation, looking north.





Photograph 25.

Stockpiled soil from the excavation of the pits which contained the 6,000 gallon unleaded gasoline and the 1,000 gallon leaded gasoline UST's.